

THOMSON
DELPHION

RESEARCH


PRODUCTS

INSIDE DELPHION

My Account | Products

Search: Quick/Number Boolean Advanced Derwent

The Delphion Integrated View

Get Now: ☒ PDF | [More choices...](#)Tools: Add to Work File: [Create new Work File](#)View: [INPADOC](#) | Jump to: [Top](#)  Go to: [Derwent](#) [Email this to a](#)

Title: JP58128652A2: MANUFACTURE OF SEPARATOR FOR ALKALINE BATTEI

Derwent Title: Heat resistant alkaline battery separator - with film obtd. by mixing polyolefin with extracted substance and nonionic surfactant. NoAbstract
[\[Derwent Record\]](#)

Country: JP Japan
Kind: A

Inventor: SAWAZAKI TAKASHI;
NOJIRI AKIO;

Assignee: FURUKAWA ELECTRIC CO LTD:THE
FURUKAWA BATTERY CO LTD:THE
[News, Profiles, Stocks and More about this company](#)

Published / Filed: 1983-08-01 / 1982-01-27

Application Number: JP1982000011111

IPC Code: H01M 2/16;

Priority Number: 1982-01-27 JP1982000011111

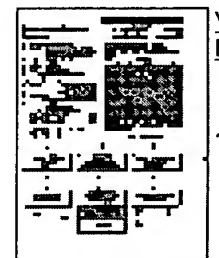
Abstract: **PURPOSE:** To obtain a separator for an alkaline battery which has a good charge-and-discharge life characteristic by mixing a polyolefin with an extracted matter and a nonionic surface active agent, forming the mixture into a film, and subjecting the film to extraction treatment.

CONSTITUTION: After 55 parts of paraffin with a melting point of 68~71°C, 8 parts of a fatty-acid-amide-system surfactant and 0.5 parts of hindered-phenol- system antioxidant are added to 100 parts of ethylene-propylene block copolymer (containing 13wt% of ethylene) with a melt index of 0.3, the mixture is kneaded with a kneader at a resin temperature of about 180°C for 20min. Next, after the kneaded mixture is formed into a film with 40μ thickness by means of an electric heating press, the film is subjected to extraction treatment by being immersed in benzene at ordinary temperature for 16hr. After that, the film is dried. By the means mentioned above, an alkali-proof alkali-oxidation-proof heat-proof separator which has excellent electric and mechanical characteristics and has a low cost, can be obtained. Consequently, the charge-and-discharge life characteristic of an alkaline battery can be enhanced by using such a separator.

COPYRIGHT: (C)1983,JPO&Japio

Family: None

Other Abstract Info: None

**Best Available Copy**



[Nominate](#)



[this for the Gallery...](#)

© 1997-2004 Thomson

[Research Subscriptions](#) | [Privacy Policy](#) | [Terms & Conditions](#) | [Site Map](#) | [Contact Us](#) | [Help](#)



(19)

(11) Publication number: **581286**

Generated Document.

PATENT ABSTRACTS OF JAPAN(21) Application number: **57011111**(51) Intl. Cl.: **H01M 2/16**(22) Application date: **27.01.82**

(30) Priority:	(71) Applicant: FURUKAWA ELECTRIC CO LTD:THE FURUKAWA BATTERY CO LTD:THE
(43) Date of application publication: 01.08.83	(72) Inventor: SAWAZAKI TAKASHI NOJIRI AKIO
(84) Designated contracting states:	(74) Representative:

**(54) MANUFACTURE OF
SEPARATOR FOR
ALKALINE BATTERY**

(57) Abstract:

PURPOSE: To obtain a separator for an alkaline battery which has a good charge-and-discharge life characteristic by mixing a polyolefin with an extracted matter and a nonionic surface active agent, forming the mixture into a film, and subjecting the film to extraction treatment.

CONSTITUTION: After 55 parts of paraffin with a melting point of 68~71°C, 8 parts of a fatty-acid-amide-system surfactant and 0.5 parts of hindered-phenol- system antioxidant are added to 100 parts of ethylene-propylene block copolymer (containing 13wt% of ethylene) with a melt index of 0.3, the mixture is kneaded with a kneader at a resin temperature of about 180°C for 20min. Next, after the kneaded mixture is

formed into a film with 40μ thickness by means of an electric heating press, the film is subjected to extraction treatment by being immersed in benzene at ordinary temperature for 16hr. After that, the film is dried. By the means mentioned above, an alkali-proof alkali-oxidation-proof heat-proof separator which has excellent electric and mechanical characteristics and has a low cost, can be obtained.

Consequently, the charge-and-discharge life characteristic of an alkaline battery can be enhanced by using such a separator.

COPYRIGHT: (C)1983,JPO&Japio